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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,272	04/01/2004	Toshiyuki Hirota	008312-0309065	8466
909	7590	10/28/2005	EXAMINER	
PILLSBURY WINTHROP SHAW PITTMAN, LLP			DUONG, HUNG V	
P.O. BOX 10500			ART UNIT	PAPER NUMBER
MCLEAN, VA 22102			2835	

DATE MAILED: 10/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/814,272

Applicant(s)

HIROTA, TOSHIYUKI

Examiner

Hung v. Duong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 15 August 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4,6 and 8-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4,6 and 8-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

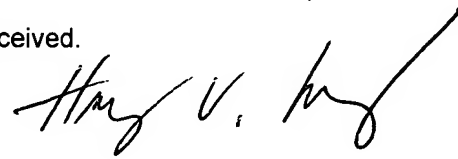
**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413) **HUNG VAN DUONG**  
Paper No(s)/Mail Date. \_\_\_\_\_ **PRIMARY EXAMINER**
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Kusakari et al (US 2003/0228883).

Regarding claim 1, Kusakari et al disclose an electronic apparatus comprising: an apparatus body 1; a display unit including a casing 7,9 supported on the apparatus body 1, a display panel 6 located in the casing 7,9, a light source 11 located in the casing 7 and configured to illuminate the display panel 6, and an inverter 50 including a circuit board located in the casing 7,9 and configured to drive the light source 11; an antenna element 5 arranged in the casing 7,9 and mounted on the circuit board; and a radio communication device 3 connected to the antenna element 5.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kusakari et al (US 2003/0228883) in view of Umezawa et al (US Pat. 5,491,507)

Regarding claim 2, Kusakari et al discloses all the subject matter of the claimed invention except for the radio communication device includes an RF portion mounted on the circuit board in the casing. However Umezawa et al disclose the radio communication device includes an RF portion mounted on the circuit board in the casing (see figure 3). Therefore, it would be obvious to one of ordinary skill to modify the radio communication includes an RF portion mounted on the circuit board of Umezawa et al's radio communication into Kusakari's radio communication device in order to utilize the radio communication accordingly.

4. Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kusakari et al (US 2003/0228883) in view of Chiba et al (US 2002/0193138).

Regarding claims 3-4, Kusakari et al discloses all the subject matter of the claimed invention except for wherein the antenna element has a ground pattern formed on the circuit board, and an antenna mounted on the circuit board and connected to the ground pattern. However Chiba et al disclose the antenna element has a ground pattern formed on the circuit board, and an antenna mounted on the circuit board and connected to the ground pattern (see para. 36). Therefore, it would be obvious to one of ordinary skill to modify an antenna mounted on the circuit board and connected to the ground pattern of Chiba et al's antenna into Umezawa's antenna in order to improve the characteristic of the antenna accordingly.

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5. Claims 6, 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kusakari et al (US 2003/0228883) in view of Chiba et al (US 2002/0193138) and further in view of Umezawa et al (US Pat. 5,491,507).

Regarding claims 6, 8-11, Kusakari and Chiba et al disclose all the subject matter of the claimed invention except for an antenna element arranged in the casing, which has an insulating substrate. However Umezawa et al disclose an antenna element arranged in the casing, which has an insulating substrate (see column 6, lines 25-30). Therefore, it would be obvious to one of ordinary skill to modify an antenna element arranged in the casing, which has an insulating substrate of Umezawa et al's antenna element into Kusakari's antenna element in order to improve insulation of the device.

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

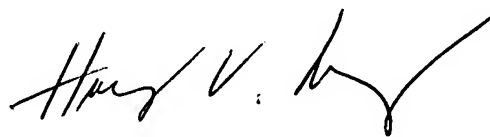
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung v Duong whose telephone number is 571-272-2041. The examiner can normally be reached on M-F from 8:30 to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Field can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HVD

10/25/05.

A handwritten signature in black ink, appearing to read 'Hung V. Duong', with a stylized flourish at the end.

Hung Duong  
Primary Examiner.